June 5, 1990

Memo to File:
Prestressed Casting Co.
1600 South Scenic

This office received a phone call from Gary Corson, City Utilities, that they discovered a 40 % U.E.L. at this location. The laboratory analysis indicated the problem was methane and gasoline. Gary indicated a worker on site told him Prestressed once discovered a 8 inch metal pipe when digging a foundation and someone from the City told them it was a methane gas line from the old Bennett Street Sewage Treatment Plant that served the Medical Center. Paul Hickman and Andy Letterman both feel this is would be highly unlikely due to the type and size of the plant. The L.E.L. levels in the Medical Center sanitary sewer line were checked and all were 0 % L.E.L. I checked the old Fletchers site at Sunshine and Scenic and could not find any sign of underground storage tanks. The Springfield Fire Department was called and informed of the problem.

Steve Short
WPCI

cc file

1600 South Scenic

CITY UTILITIES of SPRINGFIELD
301 E. Central P.O. Box 551 Springfield, Missouri 65801 (417) 831-8311

Date: June 13, 1990

To: Garry Corson
Engineering Technician VI
Gas/Water Engineering
Operations

Subject: Gas Samples from Prestressed Casting Company

The following data summarizes the analysis of the samples in the gas bottles brought to this lab on 6/4. Note that the sample concentration is compared to a standard concentration which was used to do the quantification.

HYDROCARBON	R.T.	STD CONC MOL %	SMPL CONC MOL %
METHANE	3.41	70.3200	27.442
ETHANE	3.45	9.0000	0.336
PROPANE	3.54	6.0030	0.013
ISOBUTANE	3.67	3.0010	0.028
n-BUTANE	3.79	2.9990	0.002
ISOPENTANE	4.19	0.9995	0.000
n-PENTANE	4.41	0.9996	0.000
>C5	5.57		STRONG
>C6	8.29		MEDIUM

DATE: 6/13/90
ANALYZED: 6/4/90
SAMPLE NO: 900.3267

The results show that the sample contained all the components of natural gas although isopentane and n-pentane were below the quantification limits. Furthermore, two additional components found to be present at significant levels were of the family of C6 and C7. These components tentatively identified as hexanes and heptanes are common to fuels and solvent systems.

D.G.Ballou
Supervisor - Laboratories

cc: J.T.Witherspoon, Ph.D.
BCC Steve Short

1600 S. Scenic